

AMENDMENTS TO THE SPECIFICATION

In the Specification:

Please replace the paragraph beginning on page 8, line 17 as follows:

The linear polymer having P=O bonds is formed by polymerizing a phosphonate compound with a polymerizable functional unsaturated hydrocarbon group. The unsaturated hydrocarbon group may include, but is not limited to, C₂ to C₂₀ alkenyls, alkynyls, etc., preferably vinyl, silyl, siloxy, etc. Preferred examples of the phosphonate compound with an unsaturated hydrocarbon group may include diethyl vinyl phosphonate, dimethyl vinyl phosphonate, dipropyl vinyl phosphonate, ethylene-glycol-methacrylate phosphate

(CH₂=C(CH₃)CO₂CH₂CH₂OP(O)(OH))_n, allyl diethylphosphonoacetate

(C₂H₅O)₂P(O)CH₂CO₂CH₂CH=CH₂), triethyl 3-methyl-4-phosphonocrotonate

(C₂H₅O)₂P(O)CH₂C(CH₃)₂CHCO₂C₂H₅), allyl tetraisopropylphosphorodiamidite

tetraisopropylphosphonodiamide ([(CH₃)₂CH]₂N)₂POCH₂CH=CH₂), and other suitable phosphonate compounds.